CIVIL PRIME CONSULTANTS & ENGINEERS
(Project Management Services)
An ISO 9001-2015 Certified Company
Ph.No: 9535393237 / GST IN:29ALSPU0596Q1ZO

Job No.: CACE/BBMP/KV/W.No.02/2021-22 Date: 01.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. K Venkataraju,** Contractor, Bangalore.

Name of the work : Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02),BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete AE-2 → M_{20}

Compressive Strength as on : 7th day A.E.E

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.02.2022	01.03.2022	8.188	326.3	14.50
2	22.02.2022	01.03.2022	8.169	335.2	14.90
3	22.02.2022	01.03.2022	8.175	346.5	15.40

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE-02

For CIVIL PRIME CONSULTANTS & ENGINEERS

Authorised Signatory

No.23, Shivakrupa CKM Road, Near Akai Public School, RMV 2nd Stage, Sanjay Nagar Bangalore-560094 Email:civilprimeconsultants@gmail.com

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An ISO 9001-2015 Certified Company
Ph.No: 9535393237 / GST IN:29ALSPU0596Q1ZO

Job No.: CACE/BBMP/KV/W.No.02/2021-22

Date: 24.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. K Venkataraju,** Contractor, Bangalore.

Name of the work : Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02),BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.02.2022	24.03.2022	8.174	502.2	22.32
2	24.02.2022	24.03.2022	8.156	484.6	21.54
3	24.02.2022	24.03.2022	8.169	476.9	21.20

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Job No.: CACE/BBMP/KV/W.No.02/2021-22

Date : 12.03.2022

ATTERBERG LIMITS TEST FOR WMM

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. K Venkataraju,** Contractor, Bangalore.

Name of Work :Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02),BBMP, Bangalore.

IS Code: : IS 2720(Part 5):1985

Date of Testing : 10.03.2022 to 12.03.2022

Material Type : Wet Mix Macadam

AE-2

A.E.E

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	21.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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AE-02

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Date: 12.03.2022

Job No.: CACE/BBMP/KV/W.No.02/2021-22

Aggregate Impact Value

Client	**Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
Agency	**Sri. K Venkataraju,** Contractor, Bangalore.
Name of the Work	Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02),BBMP, Bangalore.
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	12.03.2022

AE-2

A.E.E

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	382	384	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	296	296	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.51	22.92	22.71

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

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AE-02

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Job No.: CACE/BBMP/KV/W.No.02/2021-22

Date : 12.03.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. K Venkataraju,** Contractor, Bangalore.

Name of Work : Restoration and Improvements of Balance main and cross roads of Nagenahalli , Harohalli , Kenchenahalli villages, Srinidhi layout, ISRO layout,KEB layout and surrounding areas in ward no -02. of yelahanka Sub division (PACKAGE NO-02),BBMP, Bangalore.

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 12.03.2022

Material Type : Wet Mix Macadam

AE-2

A.E.E

Oven Dry.Wt, gran 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	179	179	1.8	98.2	95-100
22.4	2430	2609	26.1	73.9	60-80
11.2	2158	4767	47.7	52.3	40-60
4.75	1832	6599	66.0	34.0	25-40
2.36	1168	7767	77.7	22.3	15-30
0.600	542	8309	83.1	16.9	8-22
0.075	1358	9667	96.7	3.3	0-5

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for CIVIL PRIME CONSULTANTS & ENGI...

AE-02

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